

General Instructions for Linac Duty Technicians.

Valid for the trial period of 1 technician per shift in the MCR.

1. At the beginning of the shift, when taking over a functioning machine from the previous technician, check with him if there is anything giving trouble, then go down to the L.C.P.; read the special instructions for the day and fill the logs A and B.
2. Tidy up the control position if necessary.
3. Make a tour of the Linac basement, checking that everything looks and sounds normal, and fill in the Vacuum Check Sheet. This, and logs A and B will constitute your reference point for the shift. (Listen also to the F.T.H. cavities.)
4. Unless there is a special reason, such as faulty equipment demanding frequent attention or new equipment on trial in the Linac, go back to the M.C.R. and keep an eye on the R.F. levels, filling in log A every hour. In addition, take the opportunity to find out how the synchrotron operation is organized helping the E.i.C. and controls operator when possible.
5. As has been seen in the past, it is sometimes useful to readjust the Linac focussing, steering and R.F. levels in order to increase the synchrotron circulating beam. You may try this if you wish, but note down the values before you touch any control, so that you can always return to the original settings if the result is not a success. If people other than Linac staff want to play with the triplets R.F. levels available in the M.C.R., let them, but make sure that there is a record of the original settings. Note that unless there has been a fault condition, the bending magnet controls have not needed much trimming in the past. Once the beam has been passed to the M.C.R. for spiralling at the beginning of a run, use Bending Magnet 1 (IB 11) for trimming.
6. Try to rectify faults yourself before calling for assistance from the Linac man responsible. If you can do it yourself but it involves danger such as in opening a modulator cabin, you should ask the E.i.C. for a man to help you.
7. At all times keep the E.i.C. informed as to what you intend to do and where. When you have to leave the M.C.R., ask the controls operator to keep an eye on the R.F. levels and show him the timing blocker for use in the event of R.F. breakdown.
8. Note times of faults in the Linac General Log and fill in the fault sheet.

Distribution : (open)

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